

Title (en)
Magnetophoretic display panel

Title (de)
Magnetophoretische Anzeigevorrichtung

Title (fr)
Affichage par magnétophorèse

Publication
EP 1083538 B1 20080730 (EN)

Application
EP 00307705 A 20000907

Priority
JP 25686999 A 19990910

Abstract (en)
[origin: EP1083538A1] A magnetophoretic display panel capable of displaying clear and distinct indicia and erasing the indicia neatly. The display panel includes a multi-cell structure (5) having a thickness of 0.8 to 1.5 mm and formed with a number of cells (6) which contain therein colored liquids (9, 9a, 9b, 9c) and colored magnetic particles (4). A magnetic pen (2) exhibits an effective magnetic flux density of 100 to 500 Gauss at a bottom of a magnetic panel (1) when positioned on a surface (1a) of the magnetic panel (1). An erasure magnet (6) exhibits an effective magnetic flux density of 300 to 1500 Gauss at the surface (1a) of the magnetic panel (1) when positioned on the bottom of the magnetic panel (1). <IMAGE>

IPC 8 full level
G09F 9/37 (2006.01); **B43L 1/00** (2006.01); **G02F 1/09** (2006.01)

CPC (source: EP KR US)
B43L 1/008 (2013.01 - EP US); **G09F 9/37** (2013.01 - KR); **G09F 9/375** (2013.01 - EP US); **G02F 1/094** (2021.01 - EP US)

Cited by
GB2397934A; AU2004277630B2; US7113323B2; US6927892B2; WO2008093171A1; US7580180B2; US8018643B2; US9114663B2

Designated contracting state (EPC)
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EP 00307705 A 20000907; CA 2317911 A 20000908; CN 00132904 A 20000909; DE 60039665 T 20000907; ES 00307705 T 20000907; HK 02103367 A 20020503; HU P0003551 A 20000908; JP 25686999 A 19990910; KR 20000053770 A 20000909; TW 89118449 A 20000908; US 65839100 A 20000908